

irradiation chamber produces heat in said preheat chamber, for receiving a preheated whole waste tire from said preheat chamber;

said apparatus further comprising microwave energy supply means for supplying microwave energy to said irradiation chamber to provide destructive distillation of a preheated whole waste tire received in said irradiation chamber, said microwave energy supply means comprising at least first and second microwave sources positioned on opposite sides of said irradiation chamber for directing microwave energy into said irradiation chamber so as to irradiate both sides of the tire received in said irradiation chamber, said chambers further comprising a cooling chamber, located below said irradiation chamber, for receiving by-products of said destructive distillation and for providing delivery of said by-products from said housing, and said chambers being vertically arranged.

Please cancel claim 2.

Please amend claim 24 as follows:

Claim 24, line 7, after "said" (1st occurrence) insert -- at least one --.

REMARKS

Claim 24 has been rejected under 35 USC 112, second paragraph, as being "indefinite." The Examiner has pointed out that in the last line of this claim, "said waveguide" should read -- said at least one waveguide --" for consistent use of terminology in the claims." This change has been made.